

After-sales Set

Instructions

Only for use within the Bosch organization. Not to be communicated to any third party.

Testing

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VDT-W-420/1001.B

Ed. 2

replaces VDT-WPP 211/5X

EP/RSV/..., EP/RSU(V)..., EP/PSV/... Governors for Fuel-Injection Engines

List of Test Specification Sheets

Notes

Testing of governor EP/RSV is described in the first supplement of VDT-WPP 001/4 B.

The graduated disc of the setting device 0.681 440 006 (EFE 56 0) is to be set at that value specified for the relevant governor size when the control lever is in the vertical position.

The values in column 3 (with auxiliary springs) can only be reached insofar as the set full-load stop allows. Therefore the travel of the control rod can only be measured from the full-load position downwards.

For example, full load delivery is obtained when the control rod travels 10 mm, at the specified speeds only control rod travel from 10 to 0 mm can be measured.

If the indicated values are not obtained, the replacement parts list should be consulted to ascertain whether the correct governor spring, flyweight assembly and - on the EP/PSUV - gear wheels are fitted.

The recently introduced EP/RSV governors, A and B versions, are tested as the previous types.

Example:
EP/RSV 2500/250 A 4/310 will be tested as EP/RSV 2500/250 A, A or B and vice versa.

The following chapters list the test specifications. They are subdivided by governor size and arranged in order of size.

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The test specifications are subdivided according to governor size and arranged in order of speed

Governor type	Basic setting	Speed range	Idle speed	Test specification or microfiche	VDT-WPP..	WP..	Position
EP/RSV.. A .. (for pump size A)		EP/RSV.. A 1 A 2 B 3 4 5 6 7 8 9 0	200...1350 250...1750 500...3400 200...1200 250...1600 500...3000 200...1100 250...1500 500...2900 Special type	200 225 250 275 300 325 350 375 400 425 450 500 575 600 650 675 700 1000	211/5-1... 211/5-12... 211/5-12... 211/5-43... 211/5-44... 211/5-64... 211/5-67... 211/5-72... 211/5-78... 211/5-82... 211/5-83... 211/5-85... 211/5-87... 211/5-89... 211/5-90... 211/5-91... 211/5-92... 211/5-93...	452	A 5-B 4 B 4-B 6 B 6-D 18 D 19 D 20-F 12 F 13-F 20 F 20-G 4 G 5-G 15 G 16-G 22 G 23 H 1-H 3 H 4-H 7 H 8-H 9 H 10-H 12 H 13 H 14 H 15 H 16
EP/RSV.. A .. A 1 .. without stop lever as from 301 .. with stop lever as from 1001 .. without stop lever	Control lever, vertical						
EP/RSV.. A 0 A .. = Particular combination of spring and flyweight	Scale 40°						
EP/RSV.. B .. (for pump size B)		EP/RSV.. B 1 A 2 B 3 4 5 6 7 8 9 0	200...1300 250...1750 500...3400 200...1150 250...1600 500...3000 200...1050 250...1500 500...2900 Special type	200 225 250 300 350 400 500 600 600	211/5-100... 211/5-104... 211/5-106... 211/5-112... 211/5-114... 211/5-115... 211/5-116... 211/5-117...	452	I 1-I 8 I 9, I 10 I 11-I 22 I 23-I 24 K 1 K 2 K 3 K 4
EP/RSV.. B .. A 1 .. without stop lever as from 301 .. with stop lever	Control lever, vertical						
EP/RSV.. B 0 A .. = Particular combination of spring and flyweight	Scale 40°						
EP/RSV.. M .. /.. (for pump size M; original type)		EP/RSV.. M 1/1 ..	250...1750 350...2200 500...3100 250...1550 350...2100 500...3000 250...1350 350...1900 500...2650	250 275 300 350 375 400 700	211/5-120... 211/5-123... 211/5-124... 211/5-125... 211/5-126... 211/5-127... 211/5-128...	453	A 5-A 9 A 10 A 11 A 12 A 13 A 14 A 15
EP/RSV.. M .. /1 ..	Control lever, vertical						
EP/RSV.. M .. A .. (for pump size M .. A ..)		EP/RSV.. M 1 A ..	200...1350 250...1750 500...3400 200...1250 250...1600 500...3000 200...1100 250...1550 500...2900 Special type	250 275 300 350 375 400 575	211/5-129... 211/5-133... 211/5-134... 211/5-137... 211/5-139... 211/5-139... 575	453	A 16-A 23 B 1, B 2 B 3-B 7 B 8-B 11 B 12 B 12, B 13 B 14 B 15
EP/RSV.. M .. A 101 .. without stop lever as from 301 .. with stop lever	Control lever, vertical						
EP/RSV.. M 0 A .. = Particular combination of spring and flyweight	Scale 40°						
EP/RSV.. P .. (for pump size P)		Speed range as for EP/RSV.. A ..		200 250 300 350 400	211/5-150... 211/5-152... 211/5-155... 211/5-161... 211/5-164...	453	C 1-C 4 C 5-C 10 C 11-C 21 D 1-D 6 D 7, D 8
EP/RSV.. P .. /1 .. without stop lever as from 301 .. with stop lever as from 800 .. with shutoff device working directly on the control rod	Control lever, vertical						
EP/RSV.. P 0 /.. = Particular combination of spring and flyweight	Scale 40°						
EP/RSUV.. A .. with gearbox for pump size A		EP/RSUV.. A 1/..	65...445 95...660 135...930	200 250	211/6-1...	453	E 1
EP/RSUV.. A .. A 1 .. without stop lever A 301 .. with stop lever	Control lever, vertical						
EP/RSUV.. A 0 A .. = Particular combination of spring and flyweight	Scale 40°						

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Governor type	Basic setting	Speed range	Idle speed	Test specification or microfiche VDT-WPP..	WP..	Position
EP/RSUV.. B (BV).. with gearbox for pump size B, BV		EP/RSUV.. B 1 A.. 2 90...510 3 110...610 4 150...780 5 175...900	70 90 110 150 175	211/6-10 211/6-10	453	E 2
EP/RSUV.. A 1.. without stop lever A 301.. with stop lever		6 70...420 7 90...510 8 110...610 9 150...780 10 175...900	200 225 250	211/6-11 211/6-12 211/6-13 211/6-15 211/6-15		E 4, E 5 E 6, E 7
EP/RSUV.. B 0 A.. = particular combination of spring and flyweight	Control lever vertical	0	300	211/6-18..		E 8-E 11 E 12 E 12-E 17 E 18-E 21
B 1 A.. 2 soft spring = small speed droop 3 4 5 6 hard spring = greater speed droop 7 8 9 10	Scale 35°	Special type				
EP/RSUV.. P.. with gearbox for pump size P	EP/RSUV.. P..	150	211/6-25	453	F 1	
EP/RSUV.. P 1-10/1.. without stop lever /301.. with stop lever	Control lever vertical	200 225 250 300 325 350	211/6-25 211/6-26 211/6-27 211/6-30 211/6-33 211/6-33			F 2, F 3 F 4-F 8 F 9-F 13 F 14
EP/RSUV.. P 0.. = particular combination of spring and flyweight	Scale 35°					
EP/RSUV.. Z(ZV).. with gearbox ZW.. for pump size Z, ZW	EP/RSUV Z..	100...465 150...610 200...770 250...1050 400...1500 150...650	EP/RSUV.. Z(ZV)..	453		
EP/RSUV.. Z(ZW).. 1/.. 2 3 Large governor for PE 6...12 Z.. 4 5 6 21 Small governor for PE 2...4 Z.. 22 23 24 soft spring = small speed droop 25 26 31 Small governor for PE 2...4 Z.. 32 33 34 hard spring = greater speed droop 35 36	Control lever vertical Scale 40° Scale 35° Scale 35°	100 125 150 165 175 200 225 240 250 260 31 85...360 32 105...440 33 125...520 34 150...650 35 175...750 36 225...900	211/6-35 211/6-41 211/6-41 211/6-35 211/6-36 211/6-41 211/6-36 211/6-40 211/6-40 211/6-40 211/6-40 211/6-40 211/6-40			G 1 G 7, G 8 G 8 G 1, G 2 G 3 G 8 G 4 EP/RSUV.. ZW(M).. G 5 G 5, G 6 G 8 G 5 G 6
EP/RS.. A.. Maximum/minimum speed governor for pump size A	Control lever vertical	200 250 275 325 500	211/6-50 211/6-51 211/6-52.. 211/6-53 211/6-54	453		I 1 I 2, I 3
EP/RS.. A.. 1.. without stop lever A.. A 1.. without stop lever A.. B 1.. without stop lever A.. B 301.. with stop lever	Scala 40°					I 4 I 5 I 6
EP/RS.. A.. 0.. = particular combination of spring and flyweight						
Control lever deflection of at least 75° must be reached						
EP/RSU.. BV(M).. Maximum/minimum speed governor for pump size BV.. with stop lever and gearbox	Control lever vertical Scale 35°			211/6-45	453	H 1

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